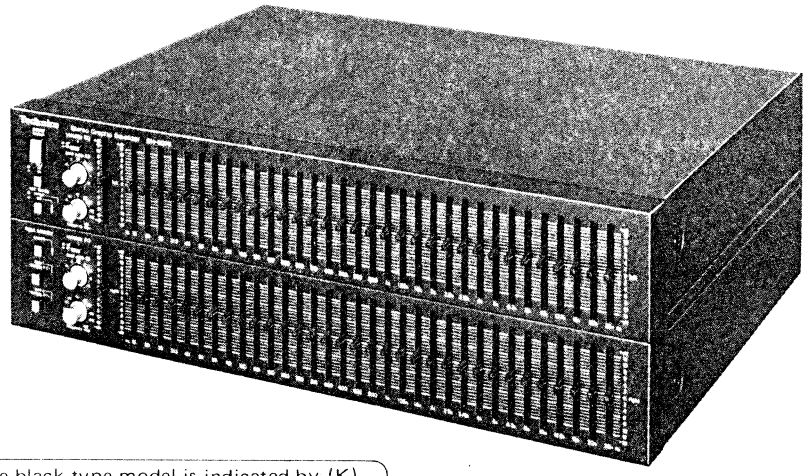
ORDER NO. SD83072619C2

Service Manual

Stereo Graphic Equalizer

SH-8075(K)

[EK],[EF],[EH],[EB], [EGA]



* The black type model is indicated by (K) in the Service Manual.
* The colors of this model is black type only.

Areas

* [EK] is available in United Kingdom.
* [EF] is available in France.
* [EH] is available in Holland.
* [EB] is available in Belgium.
* [EGA] is available in F.R. Germany.

Specifications

Specifications are subject to change without notice for further improvement.
Weights and dimensions shown are approximate.

(DIN 45 500)

Frequency response (center position)	: 5 Hz~100 kHz, −1 dB
Maximum output voltage	: 8 V (1 kHz, THD 0.01%) (LOW LEVEL 150 mV)
Rated output voltage	: 1 V
Rated total harmonic distortion	: 0.001% (20 Hz~20 kHz)
Input sensitivity	: 1 V
Signal-to-noise ratio	: 110 dB (120 dB, IHF 'A)/2 V 104 dB (114 dB, IHF 'A)/1 V
Maximum input voltage	: 8 V (1 kHz) (LOW LEVEL 150 mV)
Input impedance	: 47 kΩ
Output impedance	: 600Ω
Gain	: 0±1 dB
Channel balance 250 Hz~6300 Hz	: ±0.5 dB
Channel separation 1 kHz	: 70 dB
Band level controls	: +12 dB~−12 dB (33 elements continuously variable per channel)
Signal level selector	: 150 mV/1 V
Center frequency	: 16 Hz, 20 Hz, 25 Hz, 31.5 Hz, 40 Hz, 50 Hz, 63 Hz, 80 Hz, 100 Hz, 125 Hz, 160 Hz, 200 Hz, 250 Hz, 315 Hz, 400 Hz, 500 Hz, 630 Hz, 800 Hz, 1 kHz, 1.25 kHz, 1.6 kHz, 2 kHz, 2.5 kHz, 3.15 kHz, 4 kHz, 5 kHz, 6.3 kHz, 8 kHz, 10 kHz, 12.5 kHz, 16 kHz, 20 kHz, 25 kHz

Variable equalizer

Center-frequency controls (variable)	: 20 Hz~400 Hz
Bandwidth controls(Q)	: 0.7~7
Band level controls	: +12 dB~−12 dB

GENERAL

Power supply	: AC 110 V/120 V/220 V/240 V, 50 Hz/60 Hz
Power consumption	: 34 W
Dimensions (H×W×D)	: 153×430×330 mm (6-1/32"×16-15/16"×13")
Weight	: 6.6 kg (14.5 lb)

■ CONTENTS

	Page
SAFETY PRECAUTION	2
TOTAL FREQUENCY RESPONSE	2
LOCATION OF CONTROLS	3, 4
DISASSEMBLY INSTRUCTIONS	4~6
MODEL NO. SH-8065 BE DIFFERENT MODEL NO. SH-8075	6
PRINTED CIRCUIT BOARDS WIRING CONNECTION DIAGRAM	7, 8
PRINTED CIRCUIT BOARDS	9~16
TECHNICAL INFORMATION	17
EXPLODED VIEW	18, 19
REPLACEMENT PARTS LIST	20
SCHEMATIC DIAGRAM	21~30
BLOCK DIAGRAM	31, 32
RESISTORS AND CAPACTIORS	33, 34

Technics

Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

SH-8075

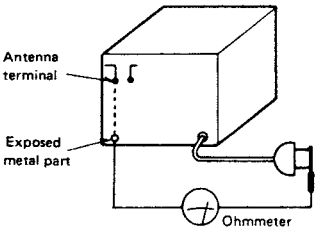
■ SAFETY PRECAUTION

1. Before servicing, unplug the power cord to prevent an electric shock.
2. When replacing parts, use only manufacturer's recommended components for safety.
3. Check the condition of the power cord. Replace if wear or damage is evident.
4. After servicing, be sure to restore the lead dress, insulation barriers, insulation papers, shields, etc.
5. Before returning the serviced equipment to the customer, be sure to make the following insulation resistance test to prevent the customer from being exposed to a shock hazard.

• INSULATION RESISTANCE TEST

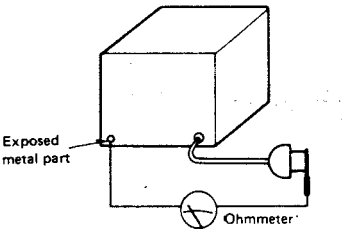
1. Unplug the power cord and short the two prongs of the plug with a jumper wire.
2. Turn on the power switch.
3. Measure the resistance value with ohmmeter between the jumpered AC plug and each exposed metal cabinet part, such as screwheads antenna, control shafts, handle brackets, etc. Equipment with antenna terminals should read between 3MΩ and 5.2MΩ to all exposed parts. (Fig. A) Equipment without antenna terminals should read approximately infinity to all exposed parts. (Fig. B).

Note: Some exposed parts may be isolated from the chassis by design. These will read infinity.



(Fig. A)

Resistance = 3MΩ – 5.2MΩ

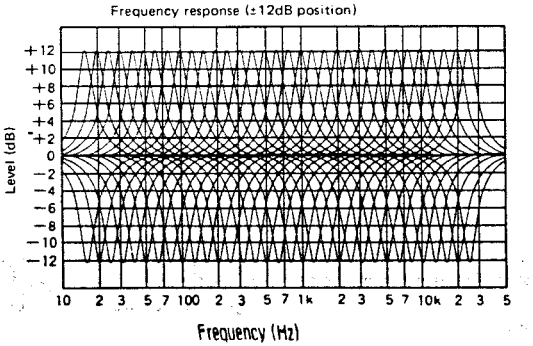


(Fig. B)

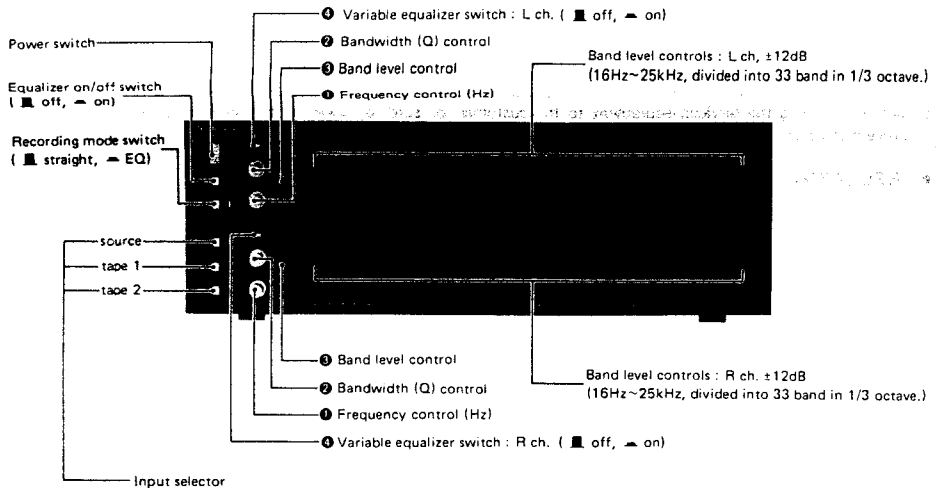
Resistance = Approx ∞

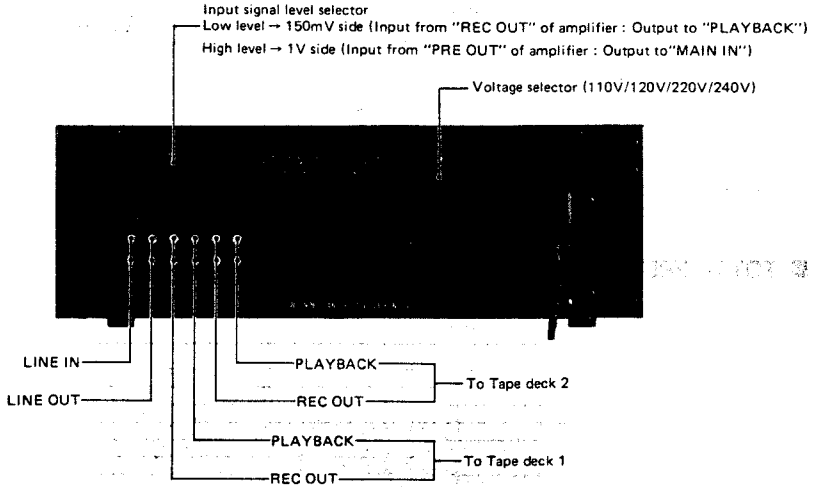
4. If the measurement is outside the specified limits, there is a possibility of a shock hazard. The equipment should be repaired and rechecked before it is returned to the customer.

■ TOTAL FREQUENCY RESPONSE



■ LOCATION OF CONTROLS


❹ Variable equalizer switch : L ch. (■ off, ▂ on)
❷ Bandwidth (Q) control
❸ Band level control
❶ Frequency control (Hz)
Band level controls : L ch, ±12dB
(16Hz~25kHz, divided into 33 band in 1/3 octave.)
Power switch
Equalizer on/off switch
(■ off, ▂ on)
Recording mode switch
(■ straight, ▂ EQ)
source
tape 1
tape 2
❸ Band level control
❷ Bandwidth (Q) control
❶ Frequency control (Hz)
Band level controls : R ch. ±12dB
(16Hz~25kHz, divided into 33 band in 1/3 octave.)
❹ Variable equalizer switch : R ch. (■ off, ▂ on)
Input selector


Input signal level selector
Low level → 150mV side (Input from "REC OUT" of amplifier : Output to "PLAYBACK")
High level → 1V side (Input from "PRE OUT" of amplifier : Output to "MAIN IN")
Voltage selector (110V/120V/220V/240V)
LINE IN
LINE OUT
PLAYBACK
REC OUT
To Tape deck 2
PLAYBACK
REC OUT
To Tape deck 1

• VARIABLE EQUALIZER

(The "Technical Information" on page 17 also describes the variable equalizer.)

The variable equalizer can be used for corrections of low-frequency characteristics. The functions in this unit are as follows:

❶ **Center frequency control knob** (frequency, Hz) is able to continuously vary the frequency in a range of 20Hz ~ 400Hz to set it to the desired point.

❷ ***Band width knob*** *(bandwidth, Q) is able to continuously vary the resonance peak* (Q) of frequency set by knob ❶ in a range of 0.7~7. Turning it counterclockwise decreases the value of Q, making the peak and dip gentle, while turning it clockwise increases the value of Q, making the peak and dip sharp, resulting in less interference given by or to adjacent channels.

❸ **Variable equalizer band level control** is able to vary the frequency set by knob ❶ by ±12 dB.

* If the frequency set by knob ❶ is 63 Hz, then it can be varied ±24 dB by using the knob ❸ and the 33-division 63 Hz band level control knob.

❹ **Variable equalizer switch** (variable EQ) is a switch to turn on/off the control knobs ❶ ~ ❸.

• OTHER SWITCHES

★ **Equalizer on/off switch (EQ)**

This switch is used to turn on/off the equalizer circuit. With it set to **"on"**, the frequency characteristic can be varied by the upper and lower band level controls (33 sets each) and the variable equalizer band level controls (1 set each).

With it set to **"off"**, a signal is obtained not to make equalizer correction.

* Even when power switch is off with this switch turned off, the signal comes out through the unit.

★ **Record mode switch (rec mode)**

When recording on a tape deck, correction mode is selected by this switch.

"EQ" is the position for recording with correction given.

If the equalizer on/off switch is set to **"off"**, the "straight" indicator lights up and signal without correction will be recorded.

"Straight" is the position for recording without correction given.

★ **Input selector switch**

"Source" is the position for record play and radio broadcast.

"tape 1" is the position for playback on a tape deck connected to "TAPE 1" terminal on the rear chassis or for dubbing from tape deck 1 to 2.

"tape 2" is the position for playback on tape deck 2 or for dubbing from tape deck 2 to 1.

■ DISASSEMBLY INSTRUCTIONS

• How to remove the bottom board

1. Remove the 8 setscrews (red) as in **[Fig. 1]** to reomve the bottom board.

* Remove the bottom board from underneath the front panel as shown by the arrows.

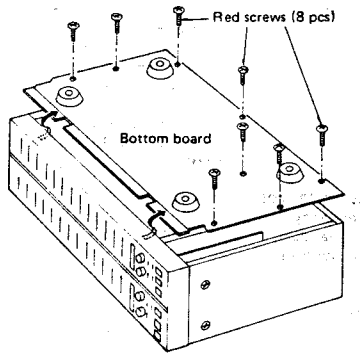


Fig. 1

• How to remove the front panel

1. Remove the setscrews ❶ ~ ❾ **[Fig. 2]** to remove the cabinet.
2. Remove the 5 setscrews **[Fig. 2]** of the front panel.
3. Pull out the 6-pin connector [terminals ⓴ ~ ㉕] from the switch P.C.B. on the left side. **[Fig. 3]**
4. Remove the front panel with care not to scratch the knobs.

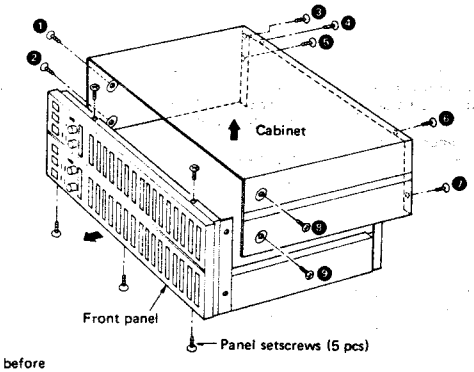


Fig. 2

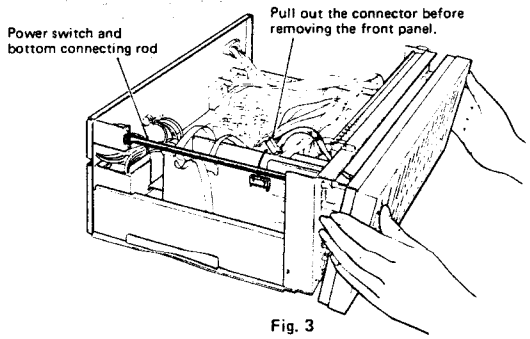


Fig. 3

• How to remove the band level control P.C.B.

1. Remove the front panel.
2. Remove the band level control knob. (The light guide plate is removed with it.)
3. Remove the light shielding cloth. **[Fig. 4]**
4. Remove the 9 setscrews which secure the R or L channel P.C.B. **[Fig. 5]**
5. Remove the band level control P.C.B.
   * Each control LED is inserted into the volume lever with longer pin side down.

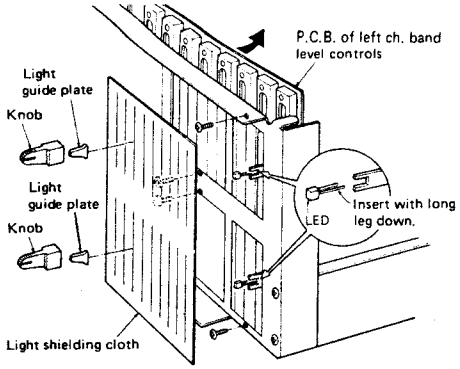


Fig. 4

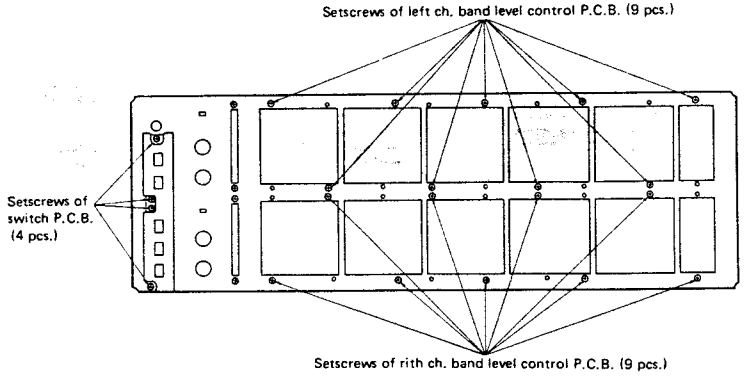

Setscrews of left ch. band level control P.C.B. (9 pcs.)
Setscrews of switch P.C.B. (4 pcs.)
Setscrews of rith ch. band level control P.C.B. (9 pcs.)

Fig. 5

• How to remove the switch P.C.B. and variable equalizer P.C.B.

1. Remove the front panel.
2. Remove the 4 setscrews of switch P.C.B. **[Fig. 5]**.
3. Pull out the switch P.C.B. fixing pin **[Fig. 8]**.
4. Remove the 6-pin [terminals (43) ~ (48)] and 7-pin [terminals (37) ~ (42)] connectors from the variable equalizer P.C.B. and then remove the switch P.C.B. as in **Fig. 6.**
5. Check the P.C.B. as shown in **Fig. 7.**

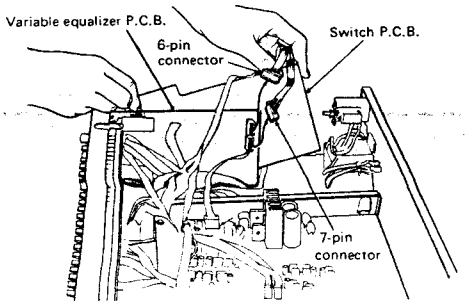


Fig. 6

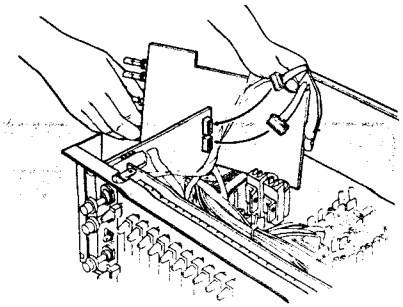


Fig. 7

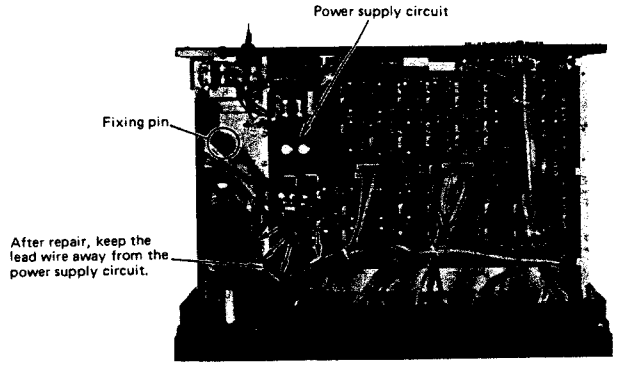


Fig. 8

• After repair

1. Make the wiring away from the power supply circuit as in **Fig. 8**.
2. Be sure to fit each button and switch in correct positions. **[Fig. 9]**.

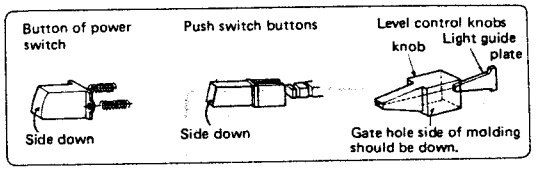


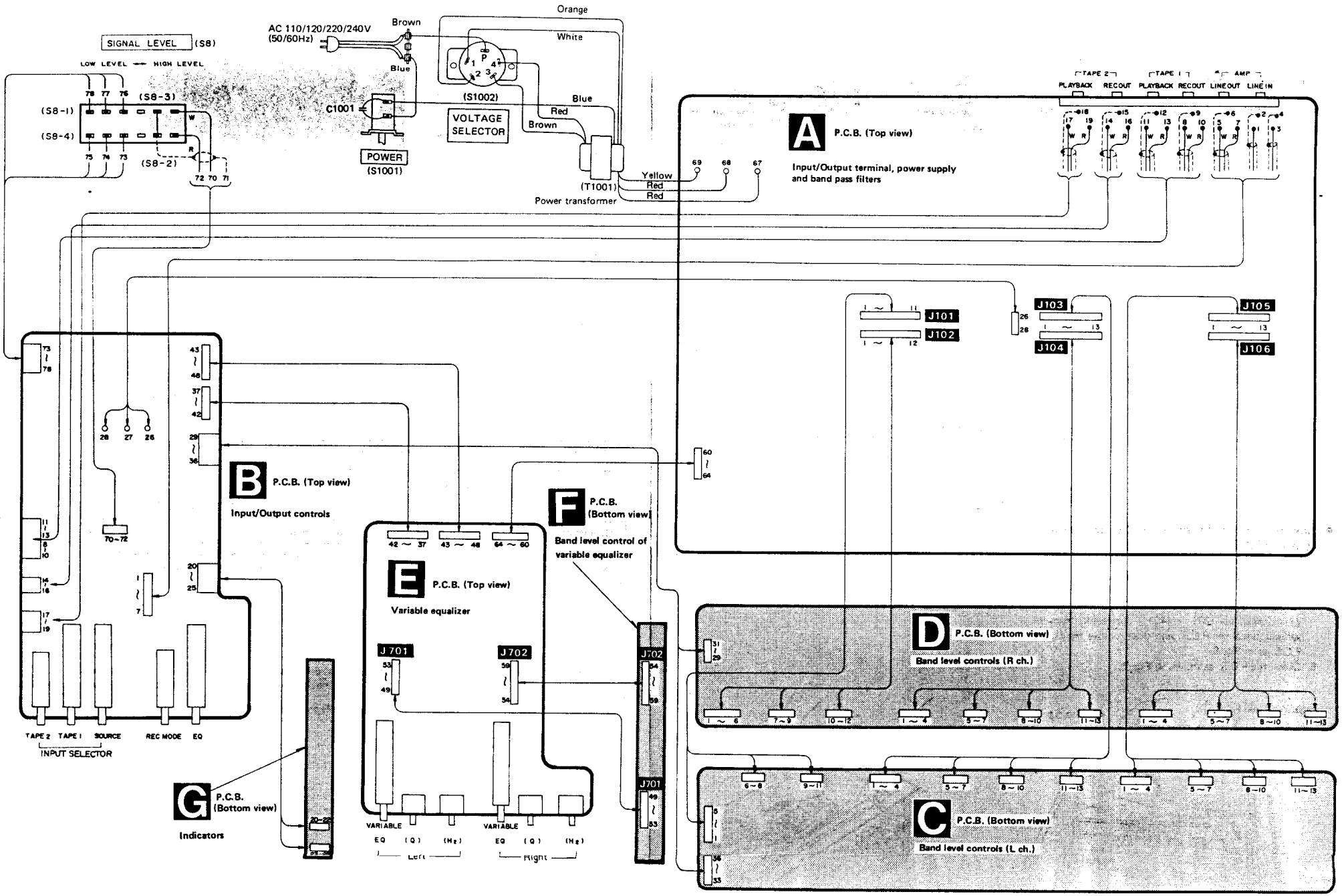
Fig. 9

■ MODEL NO. SH-8065 BE DIFFERENT MODEL NO. SH-8075

Model No.	SH-8065	SH-8075
Dimensions	430(W) x 153(H) x 330(D) mm	
Cabinet colour	Silver, Black	Black
Center frequency (No. of BPF elements)	33 elements (16 Hz ~ 25 kHz, 1/3 octave) Right and left, independent of each other.	
Recording selector	"EQ position" switch	"rec mode" switch
Input selector	source tape (Playback)	source tape 1 (dubbing from tape 1 to 2) tape 2 (dubbing from tape 2 to 1)
Positive/negative characteristic selection	Characteristic can be selected with the switch.	Not possible (Selecting switch is not provided.)
Variable range selector	±12 dB/±3 dB can be selected	Not possible (±12 dB only)
(*) Variable equalizer selector	None	Possible
(*) Band width control (Q)	None	Possible (0.7 ~ 7 continuously variable)
(*) Center frequency control	None	Possible
(*) Variable EQ band level control	None	Possible

(*) SH-8075 is provided with variable equalizer circuit so that the center frequency (20 Hz ~ 400 Hz) and its band width other than the other band levels can be varied by **variable EQ** switch.

■ PRINTED CIRCUIT BOARDS WIRING CONNECTION DIAGRAM

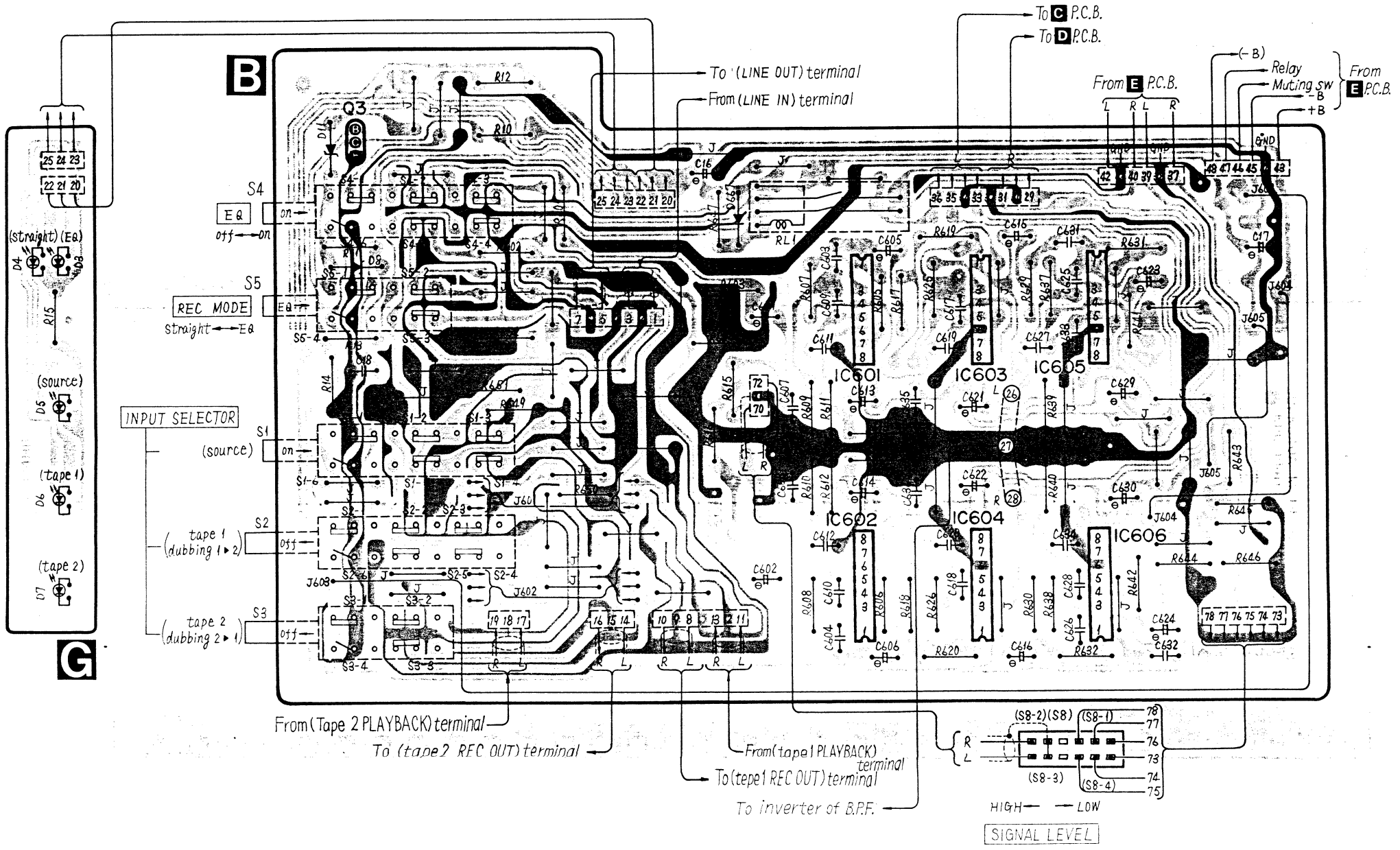


■ PRINTED CIRCUIT BOARDS

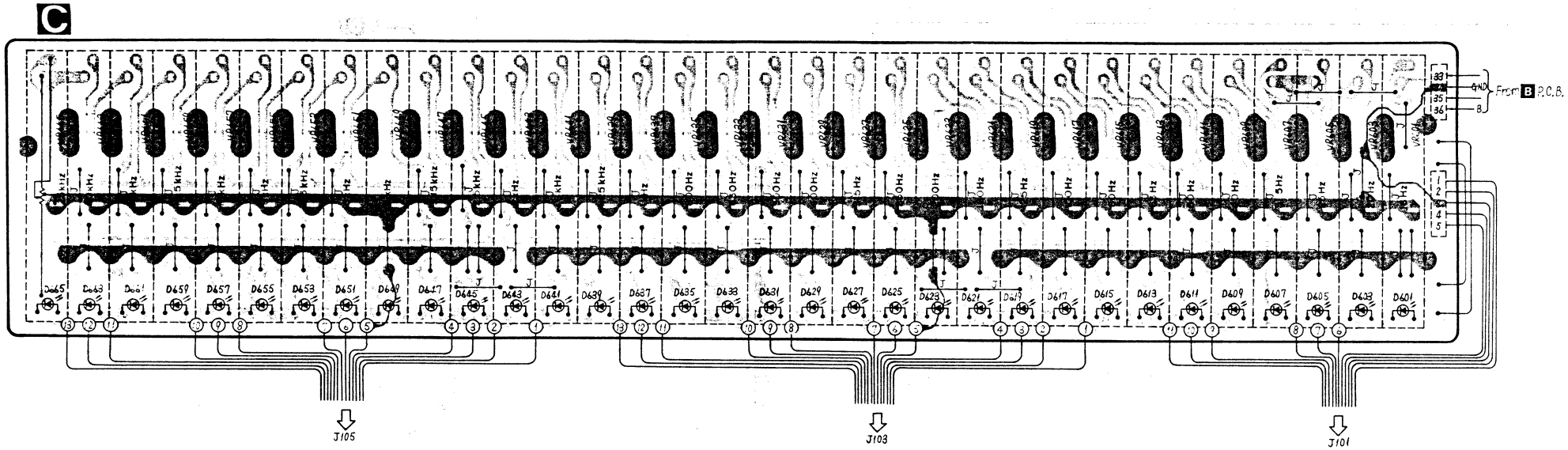
Ground (Earth) Lines

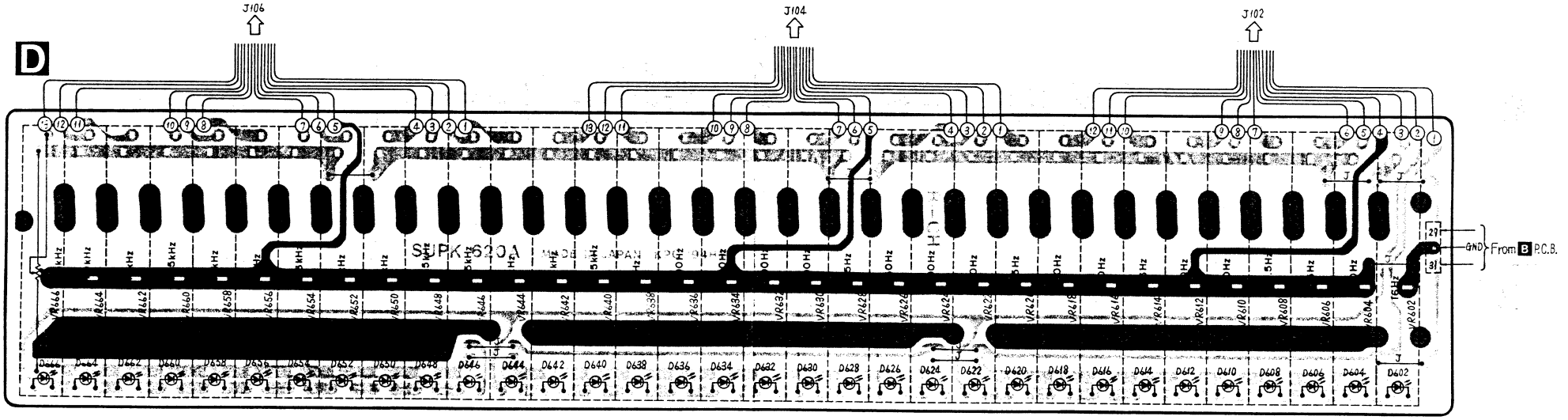
G P.C.B. (INDICATORS)

B P.C.B. (INPUT/OUTPUT CONTROLS)



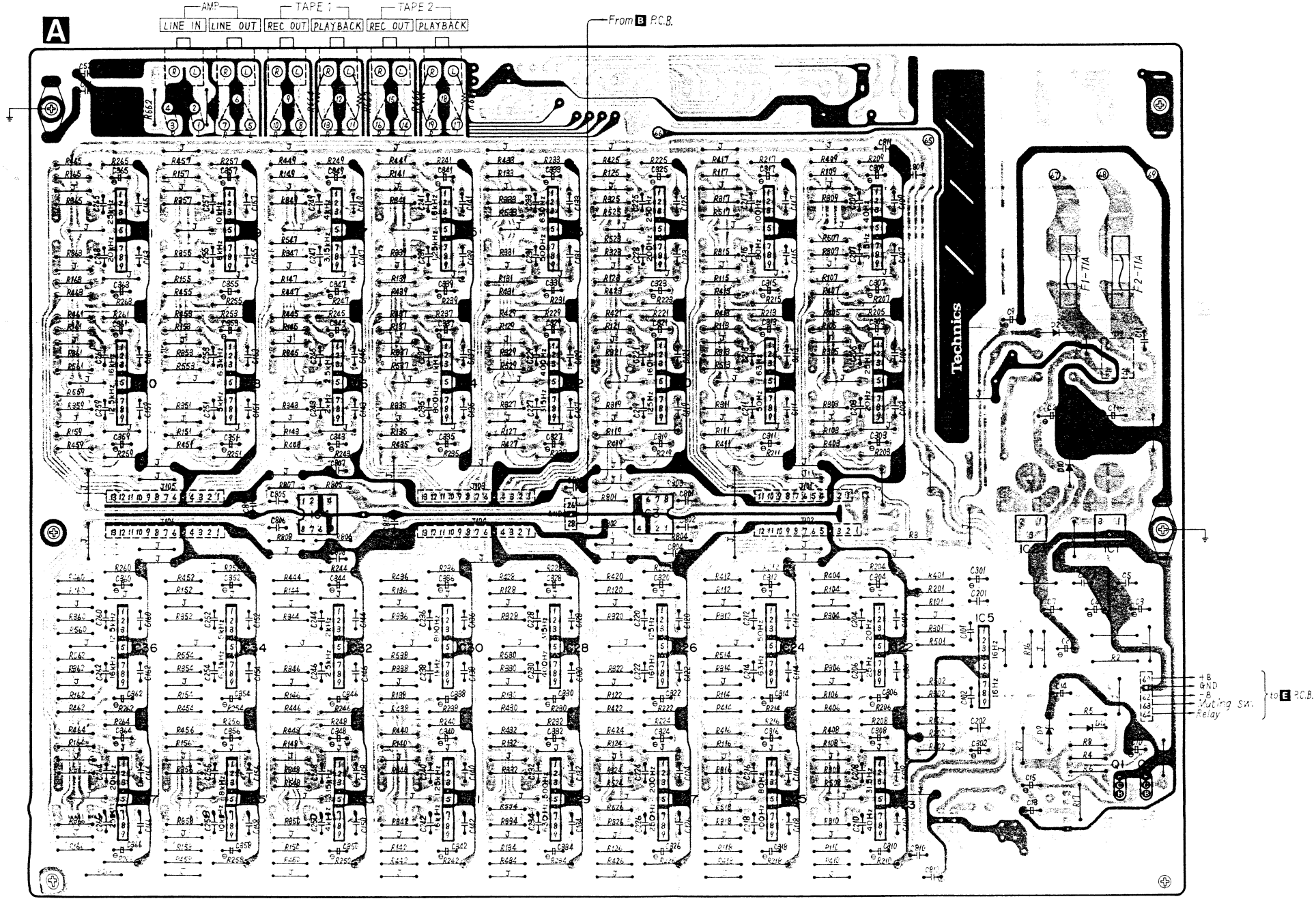
C P.C.B. (BAND LEVEL CONTROLS, LEFT CH.)





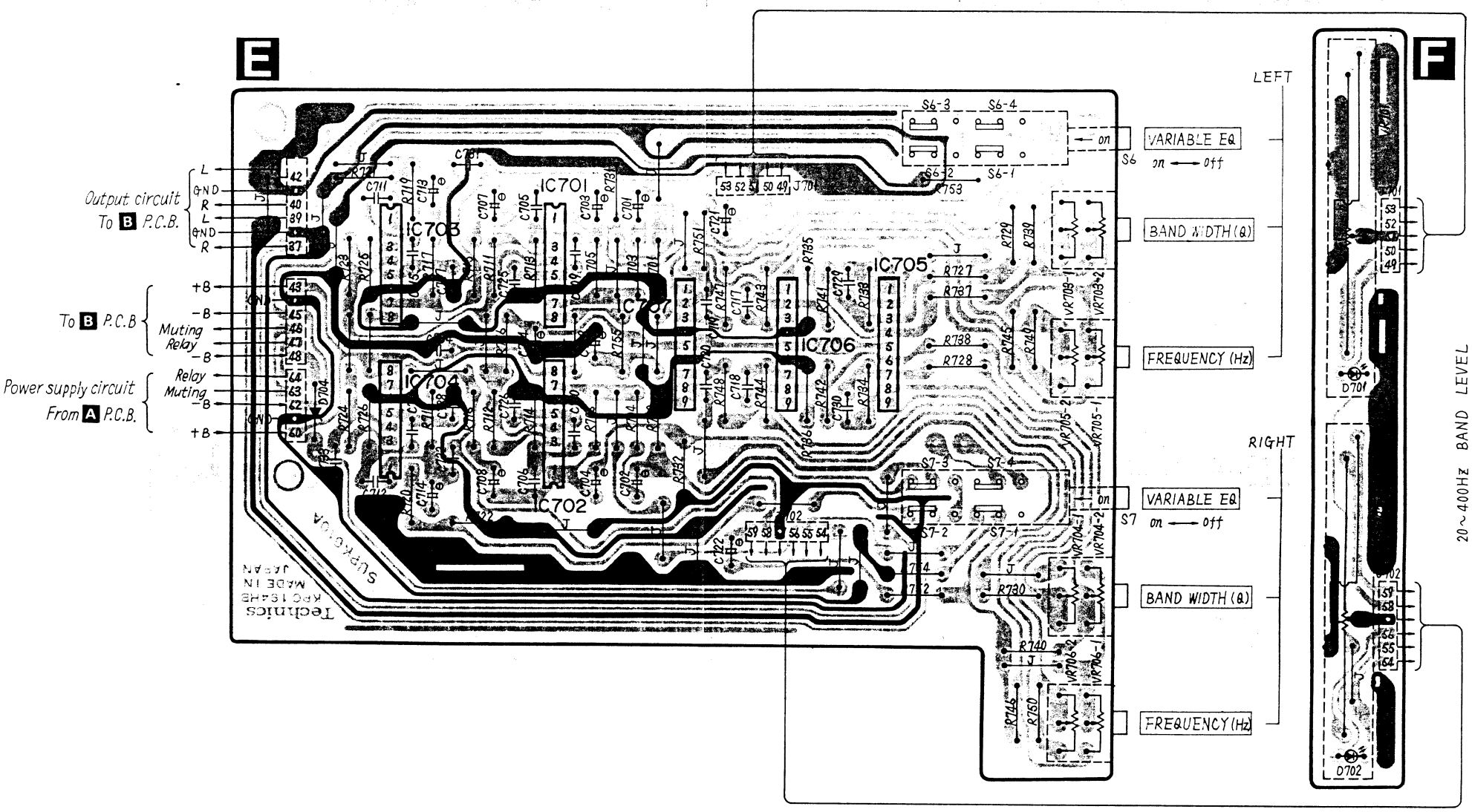
D P.C.B. (BAND LEVEL CONTROLS, RIGHT CH.)

A P.C.B. (POWER SUPPLY AND BAND PASS FILTERS)



E P.C.B. (VARIABLE EQUALIZER)

F P.C.B.
(BAND LEVEL CONTROL OF VARIABLE EQUALIZER)



■ TECHNICAL INFORMATION

• Variable equalizer circuit

(for varying the center frequency and band width)

The band pass filter of this unit is designed so that the resonance peak characteristic (band width: Q) is constant at 5. With the variable equalizer switch set at "on", the center frequency and resonance peak characteristic, only for 20 Hz ~ 400 Hz, and the frequency band level as well as the other band level can be varied.

Fig. 1 is a variable equalizer circuit consisting of 3 operation amplifiers (1 adder/subtractor and 2 integrators). The center frequency (fo) of band pass filter is determined by the time constant of **R** and **C**, and the frequency is varied by double-acting volume **R**. The resonance peak characteristic is varied by double-acting volume **r**.

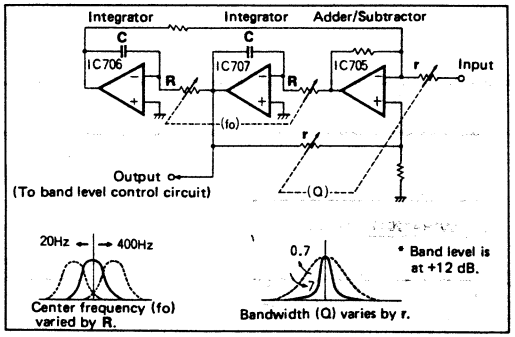


Fig. 1

• Band level control circuit

(for varying the center frequency by ±12 dB)

Fig. 2 is a circuit that makes the frequency characteristic of peak and dip.

When the band level control volume is at middle position Ⓐ, BPF is off the circuit, therefore the input/output gain (G) is as follows:

$$G = -\frac{R2}{R1} \times \frac{R4}{R3}$$

As VR is shifted to Ⓑ, input from R3 and output of BPF are added as the output to give the following:

$$G = -\frac{R2}{R1} \times \left(\frac{R4}{R3} + \frac{R4}{R5} T_B\right)$$

T_B : gain characteristic of BPF

As VR is shifted to Ⓒ, synthesized NFB of BPF and R2 is given, thereby making a frequency characteristic having a dip.

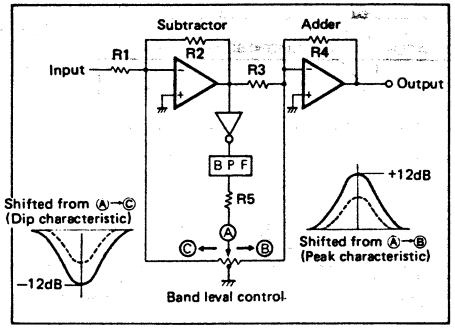
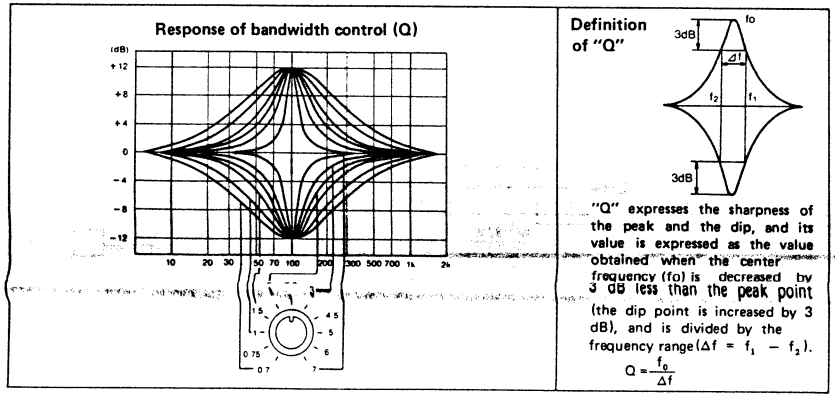
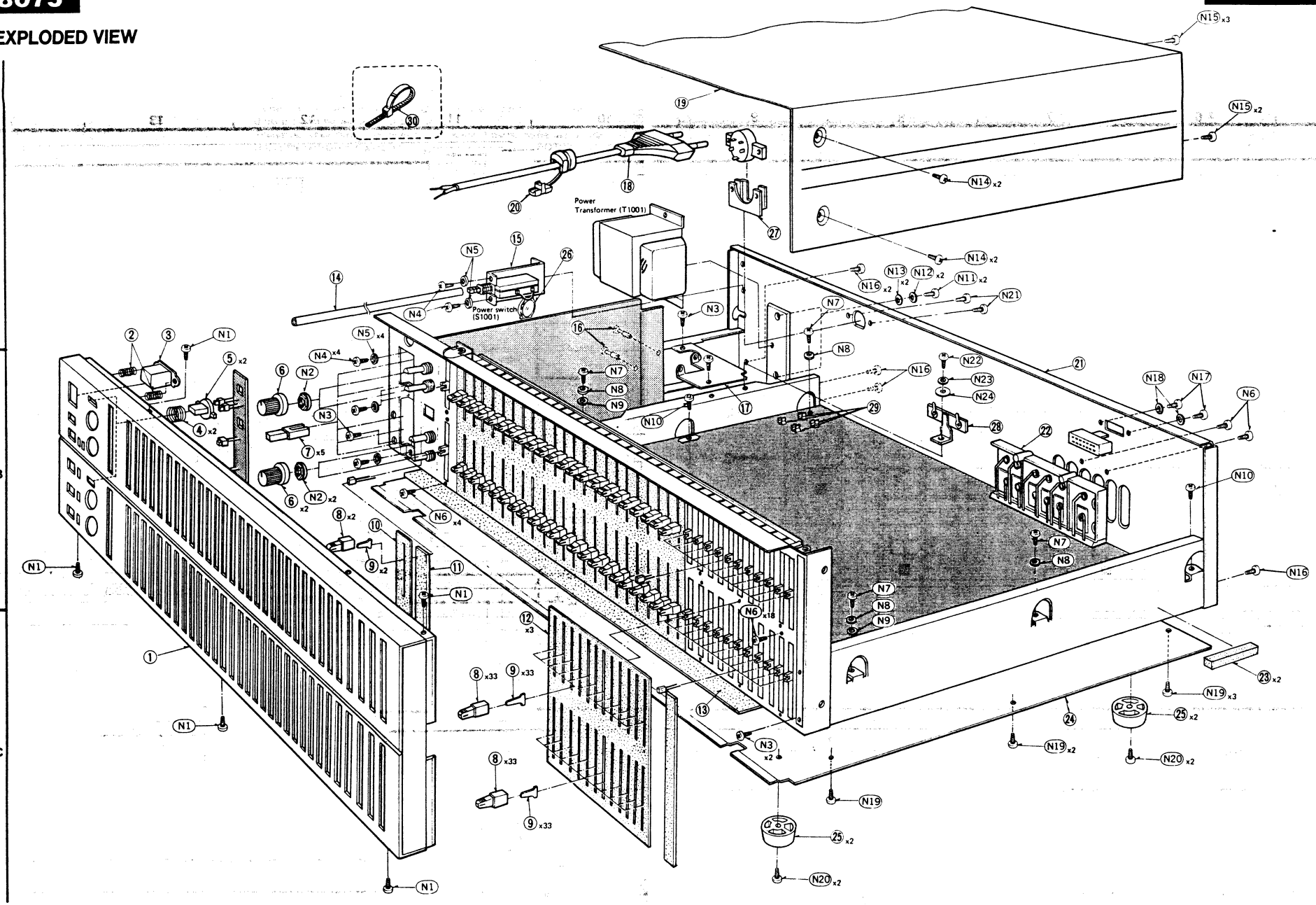


Fig. 2



SH-8075

■ EXPLODED VIEW



| | | |

SH-8075

■ REPLACEMENT PARTS LIST

Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts order.
2. Important safety notice: Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components, use only manufacturer's specified parts.
3. Bracketed indications in Ref. No. Columns specify the area. Parts without these indications can be used for all areas.
4. The " Ⓢ " mark is service standard parts and may differ from production parts.
5. The parenthesized numbers in the column of description stand for the quantity per set.

Ref. No.		Part No.	Part Name & Description
INTEGRATED CIRCUITS			
IC1		AN78M24	Regulator, 24V
IC2		SVIUPC7918H	Regulator, −18V
IC3,4		SVINJM2043DE	Invertor
IC5~11,22~27		SVINJM4558SE	Band Pass Filter
IC12~21,28~37		SVINJM2043SE	Band Pass Filter
IC601~606, 701~704		SVIHA12017	Buffer, Adder, Subtractor
IC705~707		SVINJM2043SE	Integrator
TRANSISTORS			
Q1,2		2SC458T−C	Relay Drive
Q3		2SA1015−Y	Switching
DIODES			
D1	⚠	SVD1B4B42	Rectifier
D2	Ⓢ	MA162A	Switching
D3,5~7		LN824WP	LED,(EQ, Source Tape 1,2)
D4		LN424WP	LED,(Straight)
D8,704		MA1180M	18V Zener
D9		MA1220M	22V Zener
D10,11		MA1062M	6.2V Zener
D12,667		SVD1S2076A	Switching, Pulse Killer
D601~666,701, 702		LN251RCPP	LED(Band Lebel Control)
POWER TRANSFORMER			
T1001	⚠	SLTK5L8−W	Power Source
VARIABLE RESISTORS			
VR601~666, 701,702		EVAJN2J15G25	Level cont., 200kΩ (G)
VR703,704		EWKENA530A15	Band Width cont., 100kΩ(A)
VR705,706		EWKENA530C15	Frequency cont., 100kΩ(C)
RELAY			
RLY1		SSY9	Muting
SWITCHES			
S1~3		SSHK33	Input Selector
S4,5		SSHK32	EQ Selector, Rec Mode
S6,7		SSHK34	Variable Equalizer
S8		SSSK5	Signal Level
S1001	⚠	ESB90619S	Power Source
S1002	⚠	ESE3787	Voltage Selector
FUSES			
F1,2	⚠	XBA2C10TRO	250V, T1A

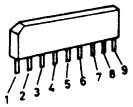
Ref. No.		Part No.	Part Name & Description
CABINET and CHASSIS PARTS			
1		SGWKH8075KN	Front Panel Ass'y (1)
2		SUS159	Spring, Power Switch (2)
3		SBC435−1	Button, Power Switch (1)
4		SUS213−1	Spring, EQ Switch (2)
5		SBC287−1	Button, EQ Switch (2)
6		SBN1167	Button (4)
7		SBC367	Button, Push Switch (5)
8		SBDK9	Button, Level Control (6)
9		SBZK29	Spacer, Level Control (6)
10		SGXK72	Spacer (1)
11		SHSK155	Spacer (2)
12		SGXK70	Spacer (3)
13		SHSK156	Spacer (1)
14		SUBK5	Connection Rod (1)
15		SUWK260	Bracket, Power Switch (1)
16		SHRK908	Holder, PCB (2)
17		SUWK380	Bracket, PCB (1)
18(EK)	⚠	QFC1205M	Cord, Power Source (1)
18(other)	⚠	SJA138−3	Cord, Power Source (1)
19		SKCKH8075KN	Cabinet Ass'y (1)
20(EK)		SHR129	Bushing, AC Cord (1)
20(other)		SHR127	Bushing, AC Cord (1)
21		SGPKH8075−KE	Rear Panel Ass'y (1)
22		SJF3049−2N	Terminal Board, In/Output (1)
23		SHGK459	Spacer (1)
24		SKUK100−1	Bottom Board (1)
25		SKL227−2	Foot (4)
26		SMXA65	Cover (1)
27		SMN1635	Bracket, Voltage Selector (1)
28		SJR205	Holder (1)
29		SJT347	Terminal, Fuse (2)
30		SHR301	Clamper, Read Wire (10)

Ref. No.		Part No.	Part Name & Description
SCREWS, WASHERS and NUTS			
N1		XTS3+6BFZ	Screw, ⊕3×6 (5)
N2		SNE4021	Nut (4)
N3	Ⓢ	XTB3+8BFZ	Screw, ⊕3×8 (7)
N4	Ⓢ	XSN3+6S	Screw, ⊕3×6 (6)
N5	Ⓢ	XWA3B	Washer, ϕ3 (6)
N6	Ⓢ	XSN2+4BV	Screw, ⊕2×4 (22)
N7	Ⓢ	XTN3+8BFZ	Screw, ⊕3×8 (4)
N8	Ⓢ	XWG3FZ	Washer, ϕ3 (4)
N9	Ⓢ	XWE3E10	Washer, ϕ3 (2)
N10		XTBS3+8CFYR1	Screw, ⊕3×8 (2)
N11	Ⓢ	XTB4+10BFZ	Screw, ⊕4×10 (2)
N12	Ⓢ	XWA4BFZ	Washer, ϕ4 (2)
N13	Ⓢ	XWG4FZ	Washer, ϕ4 (2)
N14	Ⓢ	XTB4+12BFZ	Screw, ⊕4×12 (4)
N15	Ⓢ	XTB3+8BFZ	Screw, ⊕3×8 (5)
N16		XTBS3+8BFZ1	Screw, ⊕3×8 (7)
N17		XSN26+5FZ	Screw, ⊕2.6×5 (2)
N18	Ⓢ	XWA26BFZ	Washer, ϕ2.6 (2)
N19	Ⓢ	XTB3+8BFZ	Screw, ⊕3×8 (8)
N20	Ⓢ	XTB3+10BFZ	Screw, ⊕3×10 (4)
N21		XTB3+16BFZ	Screw, ⊕3×16 (2)
N22		XSN3+10S	Screw, ⊕3×10 (1)
N23		XWA3B	Washer, ϕ3 (1)
N24		XWE3D8	Washer, ϕ3 (1)
ACCESSORIES			
A1		SJP2129−5	Connection Cord (2)
A2(EK)		SQFK10050	Instruction Book (1)
A2(EGA)		SQFK10053	Instruction Book (1)
A2(other)		SQFK10052	Instruction Book (1)
A3		SPJ15	Bag (1)
PACKING PARTS			
P1(EF)		SPGK122	Carton Box (1)
P1(other)		SPGK117	Carton Box (1)
P2		SPSK36−1	Pad, Left & Right (2)
P3		SPP651	Polyethylene Sheet (1)

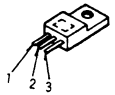
Note:
* The instruction book is provided with 3 sheets of frequency level recording chart (SQXK50007) and 1 sheet of recording method explanation chart (SQXK50007-2)

● Terminal guide of transistors, IC's and diodes

SVINJM2043SE
SVINJM4558SE



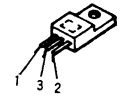
AN78M24



1. V input
2. Ground
3. V output

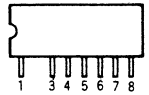
SVINJM2043DE

SVIμPC7918H

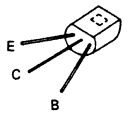


1. Ground
2. V output
3. V input

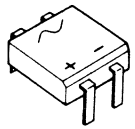
SVIHA12017



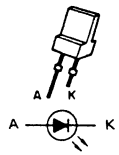
2SC458
2SA1015



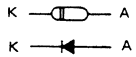
SVD1B4B42



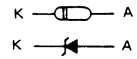
LN424WP, LN824WP



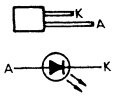
MA150
SVD1S2076



MA1062M
MA1220M
MA1180

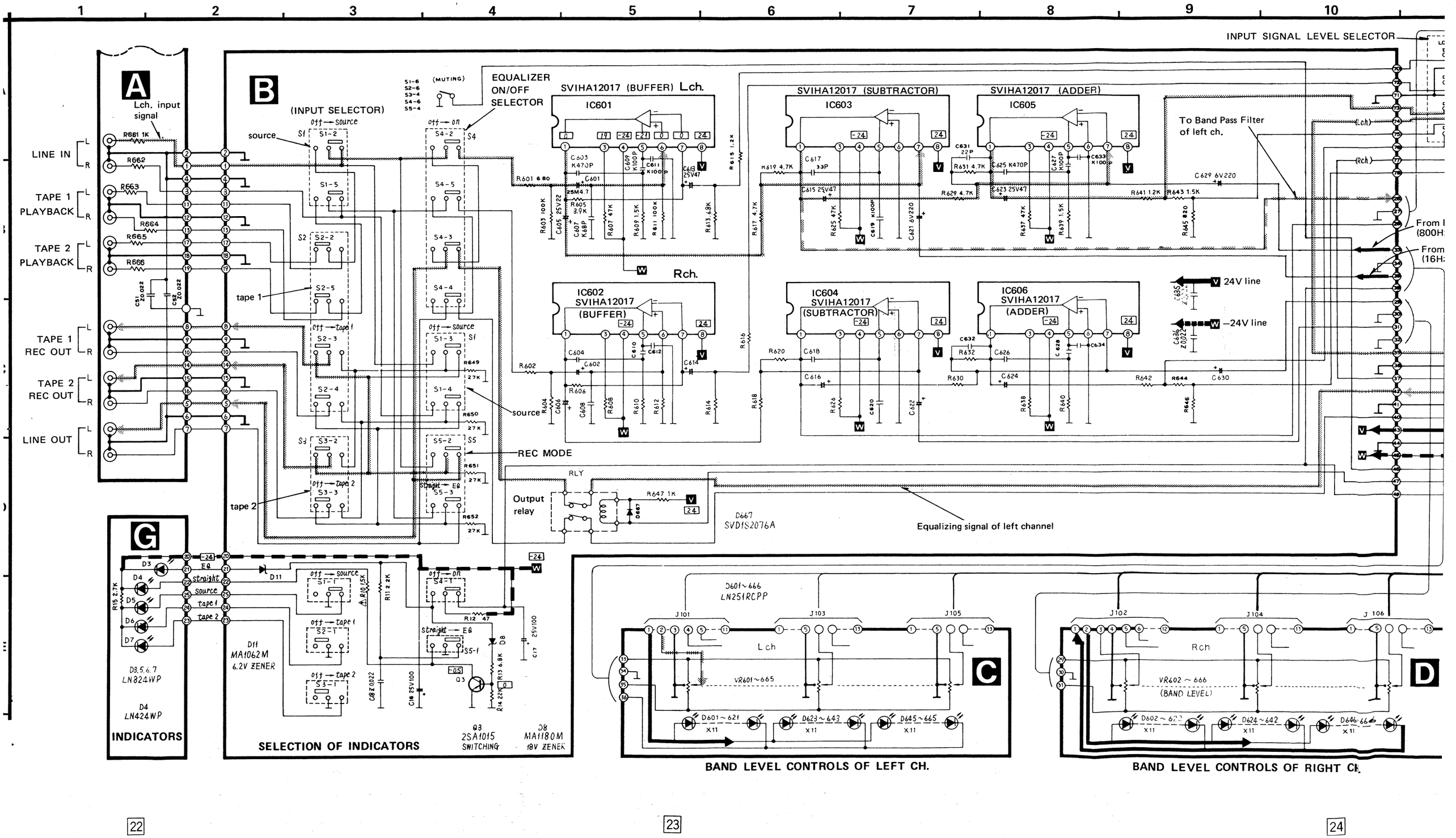


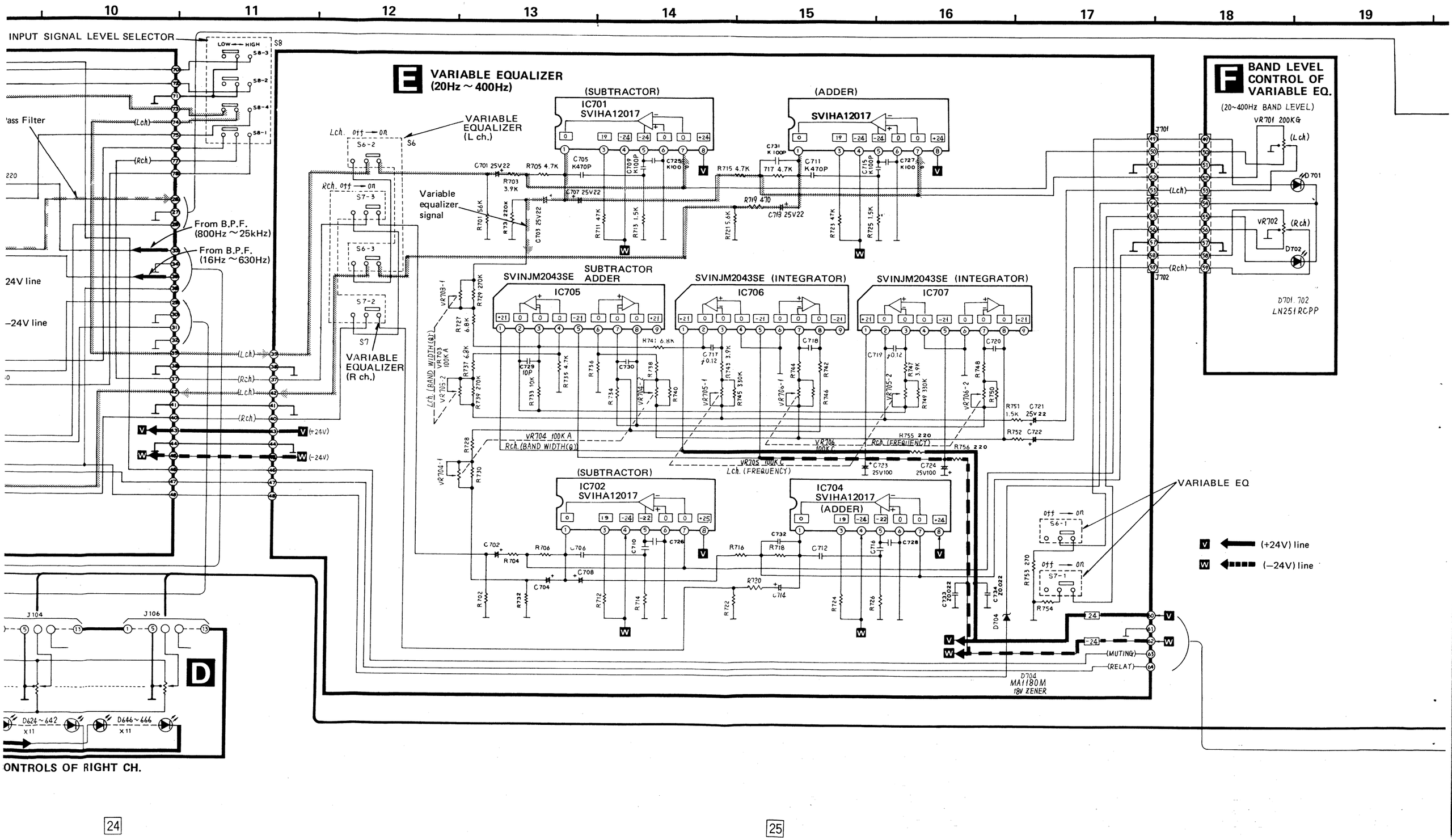
LN251RCPP



at any time with the development of new technology.)

(Input/Output circuit, Variable equalizer control circuit and Band level control circuit)




10
11
12
13
14
15
16
17
18
19
INPUT SIGNAL LEVEL SELECTOR
LOW ⟷ HIGH
S8
S8-3
S8-2
S8-4
S8-1
'ass Filter
220
(Lch)
(Rch)
From B.P.F. (800Hz ~25kHz)
From B.P.F. (16Hz ~630Hz)
24V line
–24V line
(Lch)
(Rch)
(Lch)
(Rch)
(+24V)
(–24V)
J104
J106
D624~642 X11
D646~666 X11
D
ONTROLS OF RIGHT CH.
E VARIABLE EQUALIZER (20Hz ~ 400Hz)
Lch. off ⟷ on
S6-2
S6
VARIABLE EQUALIZER (L ch.)
Rch. off ⟷ on
S7-3
S6-3
S7-2
S7
VARIABLE EQUALIZER (R ch.)
Variable equalizer signal
(SUBTRACTOR)
IC701
SVIHA12017
(ADDER)
SVIHA12017
C701 25V22
R705 4.7K
C705 K470P
C709 K100P
C725 K100P
R703 3.9K
C707 25V22
R701 56K
R733 220K
C703 25V22
R711 47K
R713 1.5K
R715 4.7K
C731 K100P
717 4.7K
C711 K470P
C715 K100P
C727 K100P
R719 470
C719 25V22
R721 5.6K
R723 47K
R725 1.5K
SVINJM2043SE SUBTRACTOR ADDER
IC705
SVINJM2043SE (INTEGRATOR)
IC706
SVINJM2043SE (INTEGRATOR)
IC707
VR703-1
R729 270K
R727 6.8K
R741 6.8K
C717 0.12
C718
C719 0.12
C720
VR703 100K A
L.ch. (BAND WIDTH(Q))
R737 6.8K
R739 270K
C729 10P
R733 10K
R735 4.7K
R736
C730
R738
R734
VR704-2
R740
VR705-1
R743 3.9K
R745 330K
VR706-1
R744
R742
R746
VR705-2
R747 3.9K
R749 330K
VR706-2
R748
R750
R751 1.5K
C721 25V22
R752
C722
VR704 100K A
Rch. (BAND WIDTH(Q))
R728
VR704-1
R730
VR706 100K C
Rch. (FREQUENCY)
R755 220
R756 220
VR705 100K C
Lch. (FREQUENCY)
C723 25V100
C724 25V100
(SUBTRACTOR)
IC702
SVIHA12017
IC704
SVIHA12017
(ADDER)
C702
R706
C706
C710
C726
R704
C708
C704
R702
R732
R712
R714
C732
R716
R718
C712
C714
C728
R720
C714
R722
R724
R726
C733 20022
C734 20022
D704
R754
F BAND LEVEL CONTROL OF VARIABLE EQ.
(20~400Hz BAND LEVEL)
VR701 200KG
(Lch)
D701
VR702
(Rch)
D702
J701
J702
D701, 702
LN251RCPP
VARIABLE EQ
off ⟷ on
S6-1
S7-1
R753 270
(+24V) line
(–24V) line
(MUTING)
(RELAY)
D704
MA1180M
18V ZENER

BAND PASS FILTERS OF LEFT CHANNEL

To (Lch.) 16Hz ~ 630Hz BPF

To (Lch.) 800Hz ~ 25kHz BPF

A

Rch. Lch.

IC3 SVINJM2043DE INVERTER

R802 47K, R804 47K, C802 D10P, C803 Z0022, C807 Z0022, C801 D10P, R803 47K, R801 47K

Lch.

IC9 SVINJM4558SE B.P.F. 100Hz / 80Hz

IC12 SVINJM2043SE B.P.F. 400Hz / 315Hz

IC15 SVINJM2043SE B.P.F. 1.6K / 1.25K

IC18 SVINJM2043SE B.P.F. 6.3K / 5K

IC21 SVINJM2043SE B.P.F. 25K

IC6 SVINJM4558SE B.P.F. 25Hz / 20Hz

IC8 SVINJM4558SE B.P.F. 63Hz / 50Hz

IC11 SVINJM4558SE B.P.F. 250Hz / 200Hz

IC14 SVINJM2043SE B.P.F. 1KHz / 800Hz

IC17 SVINJM2043SE B.P.F. 4K / 3.15K

IC20 SVINJM2043SE B.P.F. 16K

Rch. Lch.

IC5 SVINJM4558SE B.P.F. 16Hz / 16Hz

Lch.

IC7 SVINJM4558SE B.P.F. 40Hz / 31.5Hz

IC10 SVINJM4558SE B.P.F. 160Hz / 125Hz

IC13 SVINJM2043SE B.P.F. 630Hz / 500Hz

IC16 SVINJM2043SE B.P.F. 2.5K / 2K

IC19 SVINJM2043SE B.P.F. 10K

B

(16Hz) (20Hz) (25Hz) (31.5Hz) (40Hz) (50Hz) (63Hz) (80Hz) (100Hz)

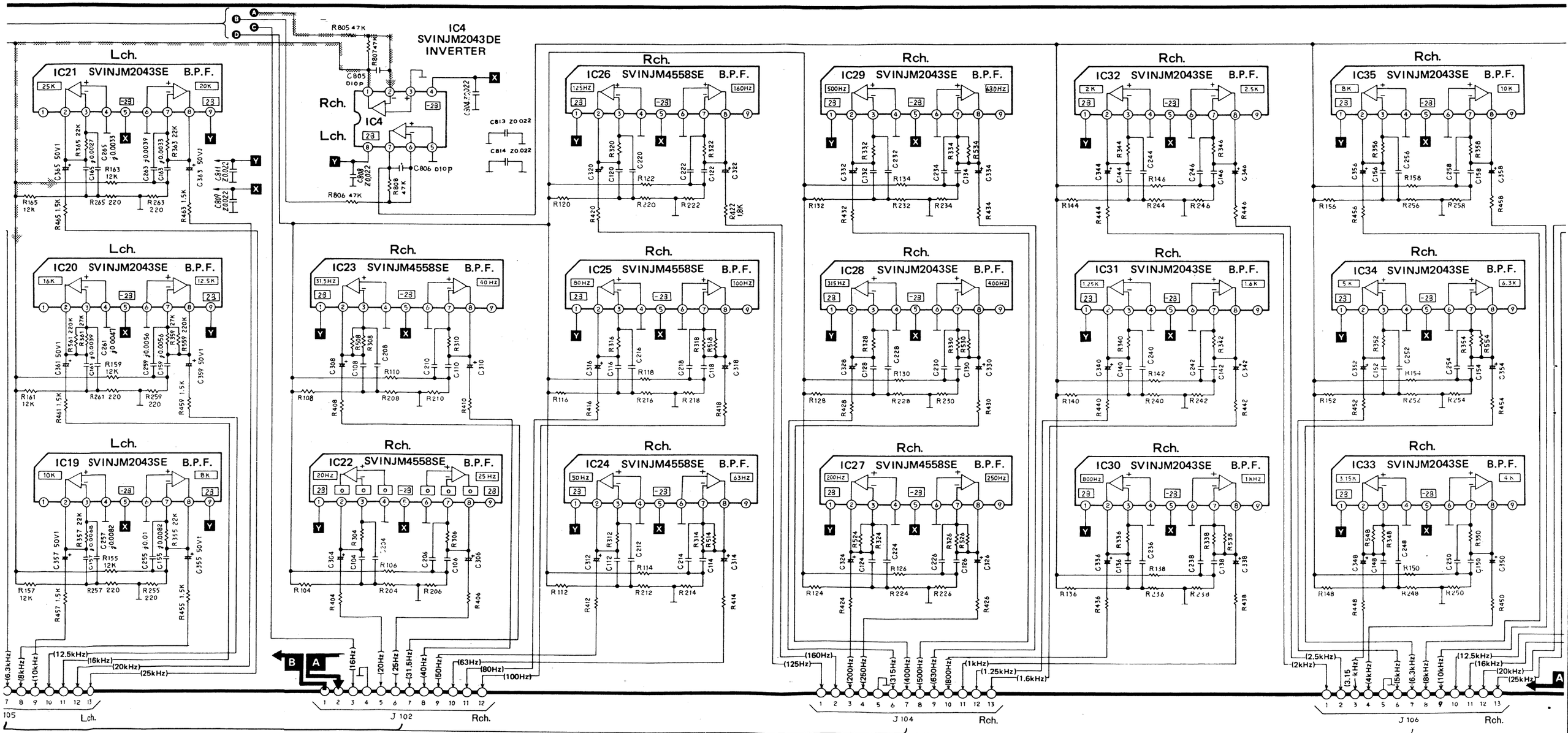
(125Hz) (160Hz) (200Hz) (250Hz) (315Hz) (400Hz) (500Hz) (630Hz) (800Hz) (1kHz) (1.25kHz) (1.6kHz)

(2kHz) (2.5kHz) (3.15kHz) (4kHz) (5kHz) (6.3kHz) (8kHz) (10kHz) (12.5kHz) (16kHz) (20kHz) (25kHz)

J101 Lch. J103 Lch. J105 Lch.

← To Band Level Control

BAND PASS FILTERS OF RIGHT CHANNEL



33 34 35 36 37 38 39 40 41 42

Rch. IC26 SVINJM4558SE B.P.F. 160HZ

Rch. IC25 SVINJM4558SE B.P.F. 100HZ

Rch. IC24 SVINJM4558SE B.P.F. 63HZ

Rch. IC29 SVINJM2043SE B.P.F. 500HZ 630HZ

Rch. IC28 SVINJM2043SE B.P.F. 315HZ 400HZ

Rch. IC27 SVINJM4558SE B.P.F. 200HZ 250HZ

Rch. IC32 SVINJM2043SE B.P.F. 2K 2.5K

Rch. IC31 SVINJM2043SE B.P.F. 1.25K 1.6K

Rch. IC30 SVINJM2043SE B.P.F. 800HZ 1KHZ

Rch. IC35 SVINJM2043SE B.P.F. 8K 10K

Rch. IC34 SVINJM2043SE B.P.F. 5K 6.3K

Rch. IC33 SVINJM2043SE B.P.F. 3.15K 4K

Rch. IC37 SVINJM2043SE B.P.F. 20K 25K

Rch. IC36 SVINJM2043SE B.P.F. 12.5K 16K

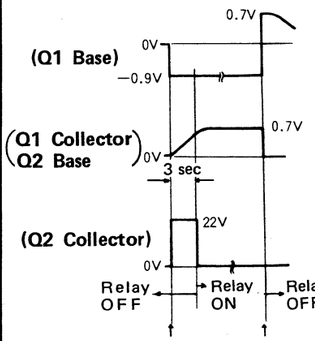
(160Hz) (125Hz) (200Hz) (250Hz) (315Hz) (400Hz) (500Hz) (630Hz) (800Hz) (1kHz) (1.25kHz) (1.6kHz)

J 104 Rch.

(2.5kHz) (2kHz) (3.15kHz) (4kHz) (5kHz) (6.3kHz) (8kHz) (10kHz) (12.5kHz) (16kHz) (20kHz) (25kHz)

J 106 Rch.

Operation of muting circuit



X ◀▬▬▬ (−23V) line

Y ◀▬▬▬ (+23V) line

POWER SUPPLY

POWER SUPPLY

AC110/120/220/240V (50/60Hz)

S1002 (VOLTAGE SELECTOR)

BLU BRN

RED (240V) BRN (220V) ORG (120V) WHT (110V)

T1001

(POWER) S1001

C1001 0.01

+23V −23V

C810 Z0.022 C812 Z0.022

R1 1/2W10 R2 1/2W10 C7 25V100 R4 220K R5 220 R6 1K R7 56K R8 68K C14 25V22 C15 6V100 C13 16V10 R17 22k

IC1 IC2

C11 Z0.022 C12 Z0.022 C5 Z0.022 C3 25V220 C1 50V1000 C2 50V1000 C9 50V1 C10 6V220 C9 25V100 C6 Z0.022 C4 25V330

D1 D2 D9 D10 D12

F2-T1A F1-T1A AC 28

Q1, 2 2SC458 MUTE SWITCHING RELAY DRIVE

IC1 AN78M24 +B VOLTAGE REGULATOR

IC2 SVIμPC7918H −B VOLTAGE REGULATOR

D1 SVD1B4B42 RECT

D12 SVD1S2076

D9 MA1220M 22V ZENER

D10 MA1062M 6.2V ZENER

D2 MA150

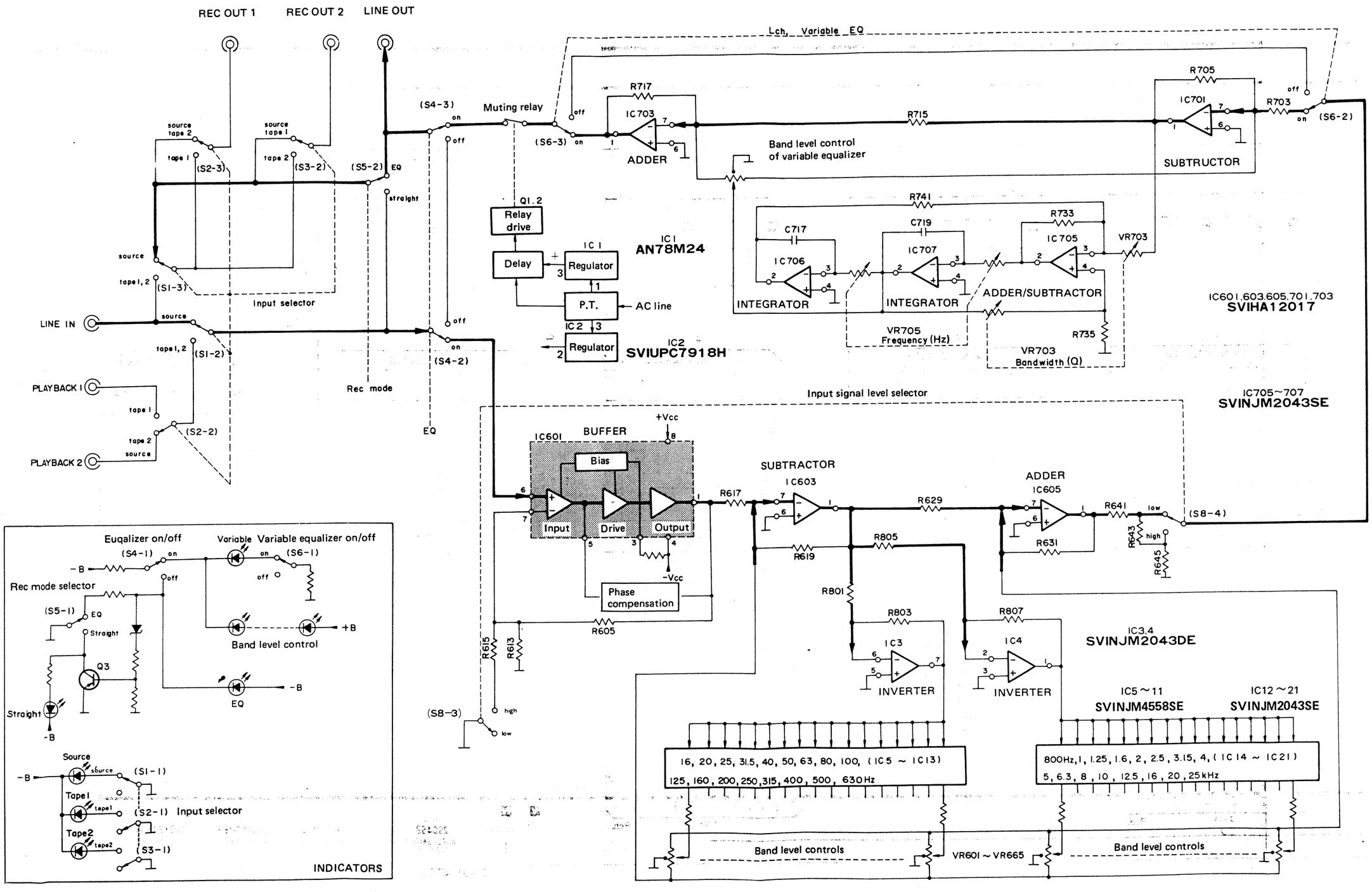
REGULATOR

IC1 (AN78M24) → Output voltage 24V, Peak output current 0.7A, Max. input voltage 40V

IC2 (SVIμ PC7918H) → Output voltage −18V, Peak output current 2.1A, Max. input voltage −35V

SH-8075 SH-8075

■ BLOCK DIAGRAM



■ RESISTORS & CAPACTIORS

Notes:

1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. Important safety notice: Components identified by ⚠ mark have special characteristics important for safety. When replacing any of these components use only manufacturer's specified parts.
3. The "Ⓢ" mark is service standard parts and may differ from production parts.
4. The unit of resistance is Ω(ohm), K = 1000Ω, M = 1000kΩ.
5. The unit of capacitance is μF (microfarad). P = 10^{-6} μF

Pesistor Type	Wattage	Tolerance
ERD : Carbon ERQ : Fuse type Metal Film ERO : Metal Film	25 : 1/4W 12 : 1/2W	F : ±1% J : ±5%

Capacitor Type	Voltage	Tolerance
ECEA : Electrolytic ECKD : Ceramic ECOM : Polyester	1A : 10V 1E : 25V 1H : 50V 50 : 50V 25 : 25V KC : 400V AC	D : ±0.5pF J : ±5% K : ±10% Z : +80%, −20%

Numbering system of resistor

Example

ERD	25	F	J	101
Type	Wattage	Shape	Tolerance	Valve

Numbering system of capacitor

Example

ECKD	1H	102	Z	F
Type	Voltage	Value	Tolerance	Peculiarity

● RESISTORS

Ref. No.	Part No.	Value
R1,2 Ⓢ⚠	ERQ12HJ100	10
R3 Ⓢ	ERD25FJ101	100
R4 Ⓢ	ERD25TJ224	220K
R5 Ⓢ⚠	ERD25FJ221	220
R6 Ⓢ	ERD25FJ102	1K
R7 Ⓢ	ERD25TJ563	56K
R8 Ⓢ	ERD25TJ683	68K
R10 ⚠	ERDS1FJ152	1.5K
R11 Ⓢ	ERD25FJ222	2.2K
R12 Ⓢ	ERD25FJ470	47
R13 Ⓢ	ERD25FJ682	6.8K
R14 Ⓢ	ERD25TJ223	22K
R15 Ⓢ	ERD25FJ272	2.7K
R16 Ⓢ	ERD25FJ272	2.7K
R17 Ⓢ	ERD25TJ223	22K
R101,102 Ⓢ	ERD25TJ124	120K
R103,104 Ⓢ	ERD25TJ124	120K
R105,106 Ⓢ	ERD25TJ124	120K
R107,108 Ⓢ	ERD25TJ124	120K
R109,110 Ⓢ	ERD25TJ124	120K
R111,112 Ⓢ	ERD25TJ124	120K
R113,114 Ⓢ	ERD25TJ124	120K
R115,116 Ⓢ	ERD25TJ273	27K
R117,118 Ⓢ	ERD25TJ273	27K
R119,120 Ⓢ	ERD25TJ273	27K
R121,122 Ⓢ	ERD25TJ273	27K
R123,124 Ⓢ	ERD25TJ273	27K
R125,126 Ⓢ	ERD25TJ273	27K
R127,128 Ⓢ	ERD25TJ273	27K
R129,130 Ⓢ	ERD25TJ273	27K
R131,132 Ⓢ	ERD25TJ273	27K
R133,134 Ⓢ	ERD25TJ273	27K
R135,136 Ⓢ	ERD25TJ273	27K
R137,138 Ⓢ	ERD25TJ273	27K
R139,140 Ⓢ	ERD25TJ273	27K
R141,142 Ⓢ	ERD25TJ273	27K
R143,144 Ⓢ	ERD25TJ123	12K
R145,146 Ⓢ	ERD25TJ123	12K
R147,148 Ⓢ	ERD25TJ123	12K
R149,150 Ⓢ	ERD25TJ123	12K
R151,152 Ⓢ	ERD25TJ123	12K
R153,154 Ⓢ	ERD25TJ123	12K
R155,156 Ⓢ	ERD25TJ123	12K
R157,158 Ⓢ	ERD25TJ123	12K
R159,160 Ⓢ	ERD25TJ123	12K
R161,162 Ⓢ	ERD25TJ123	12K
R163,164 Ⓢ	ERD25TJ123	12K
R165,166 Ⓢ	ERD25TJ123	12K
R201,202 Ⓢ	ERD25FJ222	2.2K
R203,204 Ⓢ	ERD25FJ222	2.2K
R205,206 Ⓢ	ERD25FJ222	2.2K
R207,208 Ⓢ	ERD25FJ222	2.2K
R209,210 Ⓢ	ERD25FJ222	2.2K
R211,212 Ⓢ	ERD25FJ222	2.2K
R213,214 Ⓢ	ERD25FJ222	2.2K
R215,216 Ⓢ	ERD25FJ471	470
R217,218 Ⓢ	ERD25FJ471	470
R219,220 Ⓢ	ERD25FJ471	470
R221,222 Ⓢ	ERD25FJ471	470
R223,224 Ⓢ	ERD25FJ471	470
R225,226 Ⓢ	ERD25FJ471	470
R227,228 Ⓢ	ERD25FJ471	470
R229,230 Ⓢ	ERD25FJ471	470
R231,232 Ⓢ	ERD25FJ471	470
R233,234 Ⓢ	ERD25FJ471	470
R235,236 Ⓢ	ERD25FJ471	470
R237,238 Ⓢ	ERD25FJ471	470
R239,240 Ⓢ	ERD25FJ471	470
R241,242 Ⓢ	ERD25FJ471	470
R243,244 Ⓢ	ERD25FJ221	220
R245,246 Ⓢ	ERD25FJ221	220
R247,248 Ⓢ	ERD25FJ221	220
R249,250 Ⓢ	ERD25FJ221	220
R251,252 Ⓢ	ERD25FJ221	220
R253,254 Ⓢ	ERD25FJ221	220
R255,256 Ⓢ	ERD25FJ221	220
R257,258 Ⓢ	ERD25FJ221	220
R259,260 Ⓢ	ERD25FJ221	220
R261,262 Ⓢ	ERD25FJ221	220
R263,264 Ⓢ	ERD25FJ221	220
R265,266 Ⓢ	ERD25FJ221	220
R301,302 Ⓢ	ERD25TJ334	330K
R303,304 Ⓢ	ERD25TJ224	220K
R305,306 Ⓢ	ERD25TJ224	220K
R307,308 Ⓢ	ERD25TJ334	330K
R309,310 Ⓢ	ERD25TJ224	220K
R311,312 Ⓢ	ERD25TJ224	220K
R313,314 Ⓢ	ERD25TJ334	330K
R315,316 Ⓢ	ERD25TJ563	56K
R317,318 Ⓢ	ERD25TJ683	68K
R319,320 Ⓢ	ERD25TJ563	56K
R321,322 Ⓢ	ERD25TJ563	56K
R323,324 Ⓢ	ERD25TJ683	68K
R325,326 Ⓢ	ERD25TJ683	68K
R327,328 Ⓢ	ERD25TJ563	56K
R329,330 Ⓢ	ERD25TJ683	68K
R331,332 Ⓢ	ERD25TJ563	56K
R333,334 Ⓢ	ERD25TJ683	68K
R335,336 Ⓢ	ERD25TJ563	56K
R337,338 Ⓢ	ERD25TJ683	68K
R339,340 Ⓢ	ERD25TJ563	56K
R341,342 Ⓢ	ERD25TJ563	56K
R343,344 Ⓢ	ERD25TJ223	22K
R345,346 Ⓢ	ERD25TJ223	22K
R347,348 Ⓢ	ERD25TJ273	27K
R349,350 Ⓢ	ERD25TJ223	22K
R351,352 Ⓢ	ERD25TJ223	22K
R353,354 Ⓢ	ERD25TJ273	27K
R355,356 Ⓢ	ERD25TJ223	22K
R357,358 Ⓢ	ERD25TJ223	22K
R359,360 Ⓢ	ERD25TJ273	27K
R361,362 Ⓢ	ERD25TJ273	27K
R363,364 Ⓢ	ERD25TJ223	22K
R365,366 Ⓢ	ERD25TJ223	22K
R401,402 Ⓢ	ERD25FJ152	1.5K
R403,404 Ⓢ	ERD25FJ152	1.5K
R405,406 Ⓢ	ERD25FJ152	1.5K
R407,408 Ⓢ	ERD25FJ152	1.5K
R409,410 Ⓢ	ERD25FJ152	1.5K
R411,412 Ⓢ	ERD25FJ152	1.5K
R413,414 Ⓢ	ERD25FJ182	1.8K
R415,416 Ⓢ	ERD25FJ152	1.5K
R417,418 Ⓢ	ERD25FJ152	1.5K
R419,420 Ⓢ	ERD25FJ182	1.8K
R421,422 Ⓢ	ERD25FJ182	1.8K
R423,424 Ⓢ	ERD25FJ152	1.5K
R425,426 Ⓢ	ERD25FJ152	1.5K
R427,428 Ⓢ	ERD25FJ152	1.5K
R429,430 Ⓢ	ERD25FJ152	1.5K
R431,432 Ⓢ	ERD25FJ182	1.8K
R433,434 Ⓢ	ERD25FJ152	1.5K
R435,436 Ⓢ	ERD25FJ152	1.5K
R437,438 Ⓢ	ERD25FJ152	1.5K
R439,440 Ⓢ	ERD25FJ182	1.8K
R441,442 Ⓢ	ERD25FJ182	1.8K
R443～450 Ⓢ	ERD25FJ152	1.5K
R451～460 Ⓢ	ERD25FJ152	1.5K
R461,462 Ⓢ	ERD25FJ152	1.5K
R463,464 Ⓢ	ERD25FJ152	1.5K
R465,466 Ⓢ	ERD25FJ152	1.5K
R501,502 Ⓢ	ERD25TJ824	820K
R507,508 Ⓢ	ERD25TJ824	820K
R513,514 Ⓢ	ERD25TJ824	820K
R517,518 Ⓢ	ERD25TJ224	220K
R523,524 Ⓢ	ERD25TJ224	220K
R525,526 Ⓢ	ERD25TJ224	220K
R529,530 Ⓢ	ERD25TJ224	220K
R533,534 Ⓢ	ERD25TJ224	220K
R537,538 Ⓢ	ERD25TJ224	220K
R547,548 Ⓢ	ERD25TJ224	220K
R553,554 Ⓢ	ERD25TJ224	220K
R559,560 Ⓢ	ERD25TJ224	220K
R561,562 Ⓢ	ERD25TJ224	220K
R601,602 Ⓢ	ERD25FJ681	680
R603,604 Ⓢ	ERD25TJ104	100K
R605,606 Ⓢ	ERD25FJ392	3.9K
R607,608 Ⓢ	ERD25TJ473	47K
R609,610 Ⓢ	ERD25FJ152	1.5K
R611,612 Ⓢ	ERD25TJ104	100K
R613,614 Ⓢ	ERD25FJ682	6.8K

● RESISTORS

Ref. No.	Part No.	Value
R615,616 Ⓢ	ERD25FJ122	1.2K
R617,618	ERD25CKF4701	4.7K
R619,620	ERD25CKF4701	4.7K
R625,626 Ⓢ	ERD25TJ473	47K
R629,630	ERD25CKF4701	4.7K
R631,632	ERD25CKF4701	4.7K
R637,638 Ⓢ	ERD25TJ473	47K
R639,640 Ⓢ	ERD25FJ152	1.5K
R641,642 Ⓢ	ERD25FJ122	1.2K
R643,644 Ⓢ	ERD25FJ152	1.5K
R645,646 Ⓢ	ERD25FJ821	820
R647 Ⓢ	ERD25FJ102	1K
R649,650 Ⓢ	ERD25TJ273	27K
R651,652 Ⓢ	ERD25TJ273	27K
R661,662 Ⓢ	ERD25FJ102	1K
663,664 Ⓢ	ERD25FJ102	1K
R665,666 Ⓢ	ERD25FJ102	1K
R701,702 Ⓢ	ERD25TJ563	56K
R703,704	ERD25CKF3901	3.9K
R705,706	ERD25CKF4701	4.7K
R711,712 Ⓢ	ERD25TJ473	47K
R713,714 Ⓢ	ERD25FJ152	1.5K
R715,716	ERD25CKF4701	4.7K
R717,718	ERD25CKF4701	4.7K
R719,720 Ⓢ	ERD25FJ471	470
R721,722 Ⓢ	ERD25FJ562	5.6K
R723,724 Ⓢ	ERD25TJ473	47K
R725,726 Ⓢ	ERD25FJ152	1.5K
R727,728 Ⓢ	ERD25FJ682	6.8K
R729,730 Ⓢ	ERD25TJ274	270K
R731,732 Ⓢ	ERD25TJ224	220K
R733,734 Ⓢ	ERD25FJ103	10K
R735,736 Ⓢ	ERD25FJ472	4.7K
R737,738 Ⓢ	ERD25FJ682	6.8K
R739,740 Ⓢ	ERD25TJ274	270K
R741,742 Ⓢ	ERD25FJ682	6.8K
R743,744 Ⓢ	ERD25FJ392	3.9K
R745,746 Ⓢ	ERD25TJ334	330K
R747,748 Ⓢ	ERD25FJ392	3.9K
R749,750 Ⓢ	ERD25TJ334	330K
R751,752 Ⓢ	ERD25FJ152	1.5K
R753,754 Ⓢ	ERD25FJ271	270
R755,756 Ⓢ	ERD25FJ221	220
R801～808 Ⓢ	ERD25TJ473	47K

● CAPACITORS

Ref. No.	Part No.	Value
C1,2 Ⓢ	ECEA1HS102	1000
C3 Ⓢ	ECEA1ES221	220
C4 Ⓢ	ECEA1ES331	330
C5,6 Ⓢ	ECKD1H223ZF	0.022
C7,8 Ⓢ	ECEA1ES101	100
C9 Ⓢ	ECEA50Z1	1
C10 Ⓢ	ECEA1AS221	220
C11,12 Ⓢ	ECKD1H223ZF	0.022
C13 Ⓢ	ECEA1HS100	10
C14 Ⓢ	ECEA1ES220	22
C15 Ⓢ	ECEA1AS101	100
C16,17 Ⓢ	ECEA1ES101	100
C18 Ⓢ	ECKD1H223ZF	0.022
C51,52 Ⓢ	ECKD1H223ZF	0.022
C101,102 Ⓢ	ECQM1H394JZ	0.39
C103,104 Ⓢ	ECQM1H334JZ	0.33
C105,106 Ⓢ	ECQM1H274JZ	0.27
C107,108 Ⓢ	ECQM1H224JZ	0.22
C109,110 Ⓢ	ECQM1H184JZ	0.18
C111,112 Ⓢ	ECQM1H154JZ	0.15
C113,114 Ⓢ	ECQM1H104JZ	0.1
C115,116 Ⓢ	ECQM1H394JZ	0.39
C117,118 Ⓢ	ECQM1H334JZ	0.33
C119,120 Ⓢ	ECQM1H224JZ	0.22
C121,122 Ⓢ	ECQM1H184JZ	0.18
C123,124 Ⓢ	ECQM1H154JZ	0.15
C125,126 Ⓢ	ECQM1H124JZ	0.12
C127,128 Ⓢ	ECQM1H104JZ	0.1
C129,130 Ⓢ	ECQM1H823JZ	0.082
C131,132 Ⓢ	ECQM1H563JZ	0.056
C133,134 Ⓢ	ECQM1H473JZ	0.047
C135,136 Ⓢ	ECQM1H393JZ	0.039
C137,138 Ⓢ	ECQM1H333JZ	0.033
C139,140 Ⓢ	ECQM1H223JZ	0.022
C141,142 Ⓢ	ECQM1H183JZ	0.018
C143,144 Ⓢ	ECQM1H333JZ	0.033
C145,146 Ⓢ	ECQM1H273JZ	0.027
C147,148 Ⓢ	ECQM1H223JZ	0.022
C149,150 Ⓢ	ECQM1H183JZ	0.018
C151,152 Ⓢ	ECQM1H153JZ	0.015
C153,154 Ⓢ	ECQM1H103JZ	0.01
C155,156 Ⓢ	ECQM1H822JZ	0.0082
C157,158 Ⓢ	ECQM1H682JZ	0.0068
C159,160 Ⓢ	ECQM1H562JZ	0.0056
C161,162 Ⓢ	ECQM1H392JZ	0.0039
C163,164 Ⓢ	ECQM1H332JZ	0.0033
C165,166 Ⓢ	ECQM1H272JZ	0.0027
C201,202 Ⓢ	ECQM1H474JZ	0.47
C203,204 Ⓢ	ECQM1H394JZ	0.39
C205,206 Ⓢ	ECQM1H334JZ	0.33
C207,208 Ⓢ	ECQM1H224JZ	0.22
C209,210 Ⓢ	ECQM1H184JZ	0.18
C211,212 Ⓢ	ECQM1H154JZ	0.15
C213,214 Ⓢ	ECQM1H124JZ	0.12
C215,216 Ⓢ	ECQM1H394JZ	0.39
C217,218 Ⓢ	ECQM1H334JZ	0.33
C219,220 Ⓢ	ECQM1H274JZ	0.27
C221,222 Ⓢ	ECQM1H224JZ	0.22
C223,224 Ⓢ	ECQM1H184JZ	0.18
C225,226 Ⓢ	ECQM1H154JZ	0.15
C227,228 Ⓢ	ECQM1H104JZ	0.1
C229,230 Ⓢ	ECQM1H823JZ	0.082
C231,232 Ⓢ	ECQM1H683JZ	0.068
C233,234 Ⓢ	ECQM1H563JZ	0.056
C235,236 Ⓢ	ECQM1H393JZ	0.039
C237,238 Ⓢ	ECQM1H333JZ	0.033
C239,240 Ⓢ	ECQM1H273JZ	0.027
C241,242 Ⓢ	ECQM1H223JZ	0.022
C243,244 Ⓢ	ECQM1H393JZ	0.039
C245,246 Ⓢ	ECQM1H333JZ	0.033
C247,248 Ⓢ	ECQM1H223JZ	0.022
C249,250 Ⓢ	ECQM1H183JZ	0.018
C251,252 Ⓢ	ECQM1H153JZ	0.015
C253,254 Ⓢ	ECQM1H123JZ	0.012
C255,256 Ⓢ	ECQM1H103JZ	0.01
C257,258 Ⓢ	ECQM1H822JZ	0.0082
C259,260 Ⓢ	ECQM1H562JZ	0.0056
C261,262 Ⓢ	ECQM1H472JZ	0.0047
C263,264 Ⓢ	ECQM1H392JZ	0.0039
C265,266 Ⓢ	ECQM1H332JZ	0.0033
C301～310 Ⓢ	ECEA1ES470	47
C311～320 Ⓢ	ECEA1ES470	47
C321,322 Ⓢ	ECEA1ES470	47
C323,324 Ⓢ	ECEA1HS100	10
C325,326 Ⓢ	ECEA1HS100	10
C327,328 Ⓢ	ECEA1HS100	10
C329,330 Ⓢ	ECEA1HS100	10
C331～340 Ⓢ	ECEA1HS100	10
C341,342 Ⓢ	ECEA1HS100	10
C343,344 Ⓢ	ECEA50Z1	1
C345,346 Ⓢ	ECEA50Z1	1
C347,348 Ⓢ	ECEA50Z1	1
C349,350 Ⓢ	ECEA50Z1	1
C351～360 Ⓢ	ECEA50Z1	1
C361,362 Ⓢ	ECEA50Z1	1
C363,364 Ⓢ	ECEA50Z1	1
C365,366 Ⓢ	ECEA50Z1	1
C601,602 Ⓢ	ECEA25M4R7R	4.7
C603,604 Ⓢ	ECKD1H471KB	470P
C605,606 Ⓢ	ECEA1ES220	22
C607,608 Ⓢ	ECCD1H680K	68P
C609,610 Ⓢ	ECKD1H101KB	100P
C611,612 Ⓢ	ECKD1H101KB	100P
C613,614 Ⓢ	ECEA1ES470	47
C615,616 Ⓢ	ECEA1ES470	47
C617,618 Ⓢ	ECCD1H330KC	33P
C619,620 Ⓢ	ECKD1H101KB	100P
C621,622 Ⓢ	ECEA1AS221	220
C623,624 Ⓢ	ECEA1AS470	47
C625,626 Ⓢ	ECKD1H471KB	470P
C627,628 Ⓢ	ECKD1H101KB	100P
C629,630 Ⓢ	ECEA1AS221	220
C631,632 Ⓢ	ECCD1H220KC	22P
C633,634 Ⓢ	ECKD1H101KB	100P
C635,636 Ⓢ	ECKD1H223ZF	0.022
C701,702 Ⓢ	ECEA1ES220	22
C703,704 Ⓢ	ECEA1ES220	22
C705,706 Ⓢ	ECKD1H471KB	470P
C707,708 Ⓢ	ECEA1ES220	22
C709,710 Ⓢ	ECKD1H101KB	100P
C711,712 Ⓢ	ECKD1H471KB	470P
C713,714 Ⓢ	ECEA1ES220	22
C715,716 Ⓢ	ECKD1H101KB	100P
C717,718 Ⓢ	ECQM1H124JZ	0.12
C719,720 Ⓢ	ECQM1H124JZ	0.12
C721,722 Ⓢ	ECEA1ES220	22
C723,724 Ⓢ	ECEA1ES101	100
C725,726 Ⓢ	ECKD1H101KB	100P
C727,728 Ⓢ	ECKD1H101KB	100P
C729,730 Ⓢ	ECCD1H100DC	10P
C731,732 Ⓢ	ECKD1H101KB	100P
C733,734 Ⓢ	ECKD1H223ZF	0.022
C801,802 Ⓢ	ECCD1H100DC	10P
C803,804 Ⓢ	ECKD1H223ZF	0.022
C805,806 Ⓢ	ECCD1H100DC	10P
C807,808 Ⓢ	ECKD1H223ZF	0.022
C809,810 Ⓢ	ECKD1H223ZF	0.022
C811,812 Ⓢ	ECKD1H223ZF	0.022
C813,814 Ⓢ	ECKD1H223ZF	0.022
C1001 ⚠	ECKDKC103PF2	0.01

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ORDER NO. HAD8709283S2

Service Manual

Supplement

Equalizer

Stereo Graphic Equalizer

SH-8075

Color

(K) ..... Black Type

Area

Color	Area
(K)	[EK] ....United Kingdom
(K)	[EF] ....France
(K)	[EH] ....Holland
(K)	[EB] ....Belgium
(K)	[EGA]...F.R. Germany

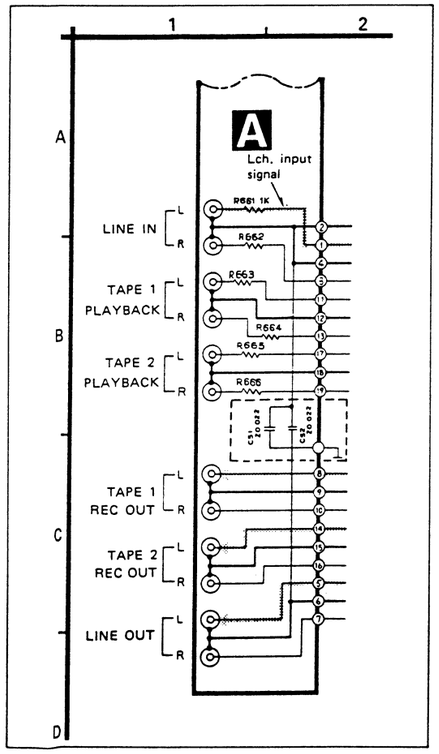
Please file and use this supplement manual together with the service manual for Model No. SH-8075, Order No. SD83072619C2.

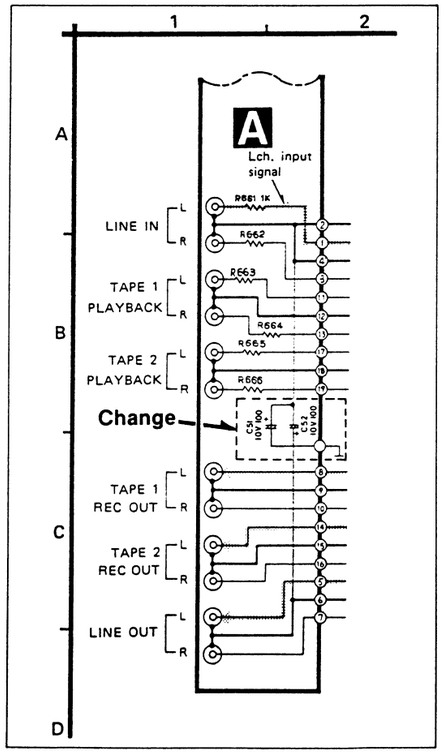
Note:

- This supplement has been issued to inform you that the input circuit has been changed in units having serial number suffixes "C" or later.
(Refer to "How to read the serial number" on page 2.)

CHANGES

■ SCHEMATIC DIAGRAM





Technics

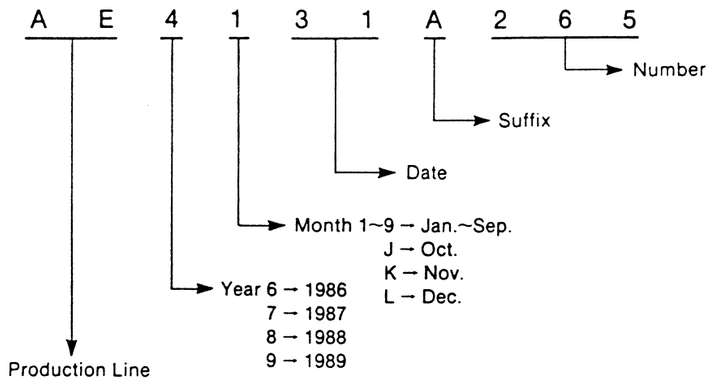
Matsushita Electric Trading Co., Ltd.
P.O. Box 288, Central Osaka Japan

SH-8075

■ REPLACEMENT PARTS LIST

Ref. No.	Change of Part No. OLD	NEW	Description	Remarks
CAPACITORS				
C51, C52	ECKD1H223ZF	**ECEA1AK101**	Electrolytic, 10 V, 100 μF	Change

■ HOW TO READ THE SERIAL NUMBER



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